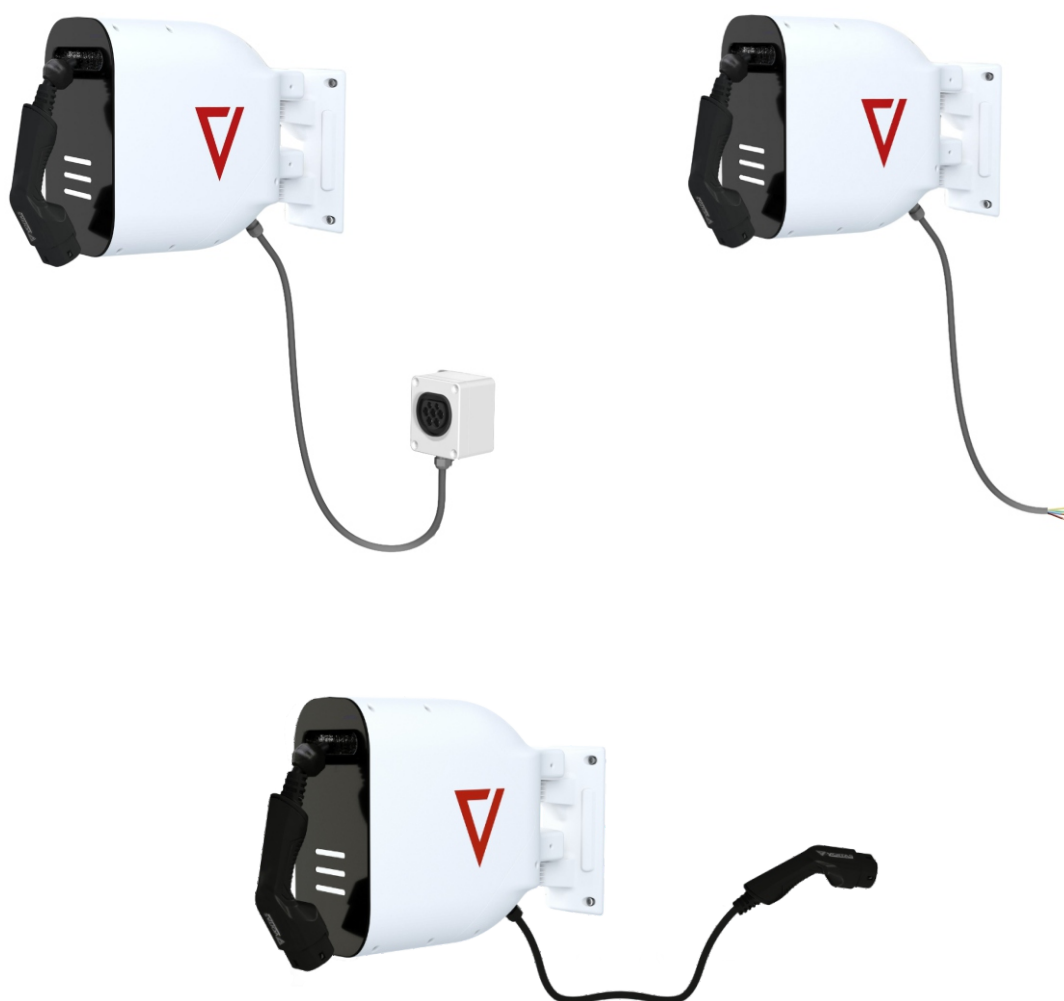




USER MANUAL

VOITAS X11 5 M / 8 M

RELEASE DATE: SEPTEMBER 2023, REV. 1.0.1



User Manual

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Electrical Safety Instructions

WARNING!

Please keep a copy of this Manual throughout the life of the product. This document contains the information necessary for the safe installation and use of the VOITAS X11 electric vehicle charger. Before using it for the first time, read the entire contents of the manual, especially the Electrical Safety Instructions.

VOITAS X11

VOITAS Innovations GmbH is not responsible for the material damage caused by failure to follow installation and operating instructions, use of unauthorized spare parts or accessories. The use of the VOITAS X11 is permitted only if the installation has been carried out according to the instructions in this *User Manual*. Safety-threatening malfunctions must be corrected only by qualified personnel. You can contact the VOITAS Innovations technical support through our website <https://voitas-innovations.com/pages/kontakt>.

- We recommend installing the VOITAS X11 indoors or under the roof, without direct sunlight to prevent overheating.
- Do not install the VOITAS X11 in an area prone to flooding or direct water spray.
- Make sure that the power supply is turned off before you start cleaning your VOITAS X11. Do not clean your charger with spray or direct stream of water. We recommend the use of a slightly damp cloth soaked in a mild solvent-free and non-scouring cleaning agent.
- The VOITAS X11 is essentially maintenance free but the owner should regularly check the sockets, charging connectors and the cable as well as the housing for visible damage. It is recommended to make sure that the interior of the connector is clean and free from any dirt (e.g. sand, pieces of twigs or leaves) before each charge.
- The VOITAS X11 8 M requires at least 5 meters of a cable to be unrolled, and the VOITAS X11 5 M requires at least 3,5 meters of a cable to be unrolled. The cable has a spot marked with a

yellow label, which you will see when unwinding the cable. If this label is not visible, do not connect the cable. The maximum unwinding value is marked with a red label.

- The attached water protection cap should seal the type 2 plug as well as the type 2 socket if not in use to prevent damage from dust or water.
- The VOITAS X11 is equipped with thermal protection inside the cable reel. If the temperature exceeds 70°C degrees, the power supply is disconnected automatically.
- Do not use VOITAS X11 if the flexible power cord or EV cable is frayed, has broken insulation, or any other signs of damage.
- Do not use VOITAS X11 if the enclosure or the connector is broken, cracked, open, or shows any other indication of damage.
- Do not operate VOITAS X11 in temperatures outside its operating range (-25°C to 40°C).
- If your VOITAS X11 was submerged in water due to flooding, have a qualified electrician inspect your device before connecting it back to the power supply and using it again.
- Ensure that the charging cable is positioned in such a way so that it will not be stepped on, tripped over, or subjected to damage or stress.
- Do not close your garage door on the charging cord.
- VOITAS X11 is only to be used for fixed installations and cannot be used as a portable device.

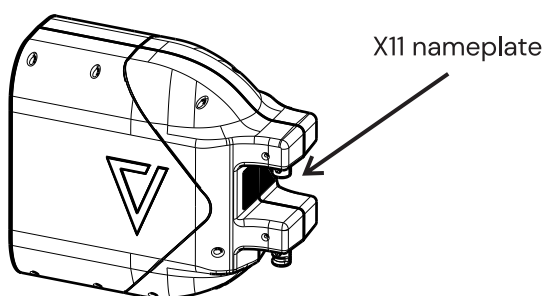
Our product complies with the following directives and harmonized norms: Low Voltage Directive (LVD) 2014/35/EU, the Electrical Equipment (Safety) Regulations 2016, PN-EN IEC 61316:2022-04, PN-EN 62196-2:2017-06

Important note on the correct disposal of the product based on Directive 2012/19/EU. The product must not be disposed of with household waste. It must be recycled at a special collection point for used electrical appliances.

WARNING!

Always unwind the cable at least up to the yellow label when charging to avoid overheating of the device.

Introduction



Thank you for choosing our product!

The VOITAS X11 is a great option for people who have already installed a wallbox or a charging station from a different manufacturer. The VOITAS X11 serves as a practical cable extension for the existing wallbox. The integrated cable reel system provides tidiness and saves space. The charging cable can be rolled up and thanks to it is not exposed to wear and tear.

For more information on our charging system or other products, please visit: www.voitas-innovations.com.

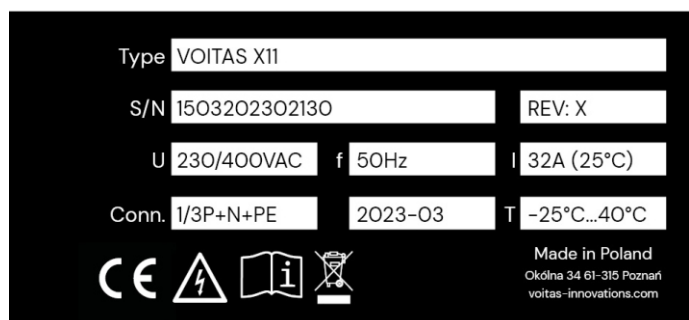


VOITAS
X11

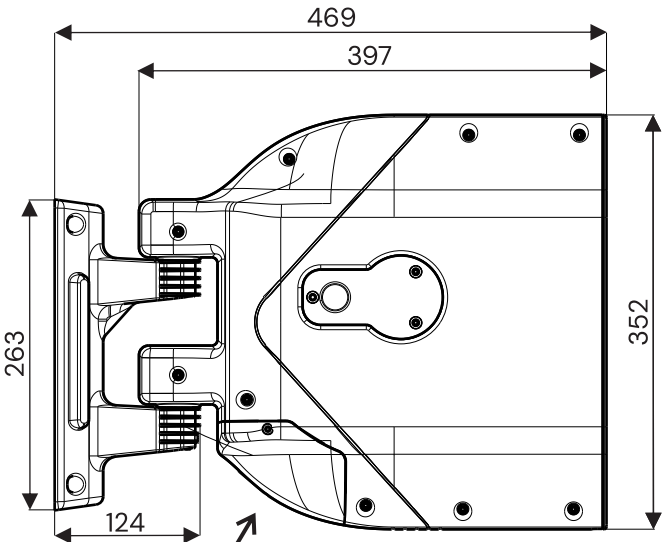
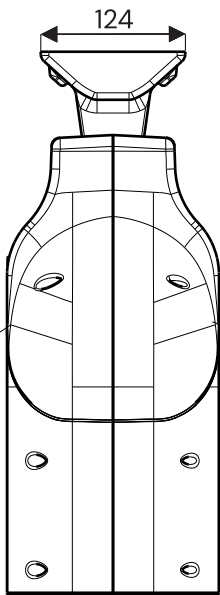
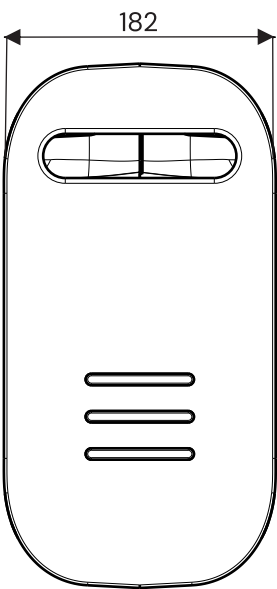
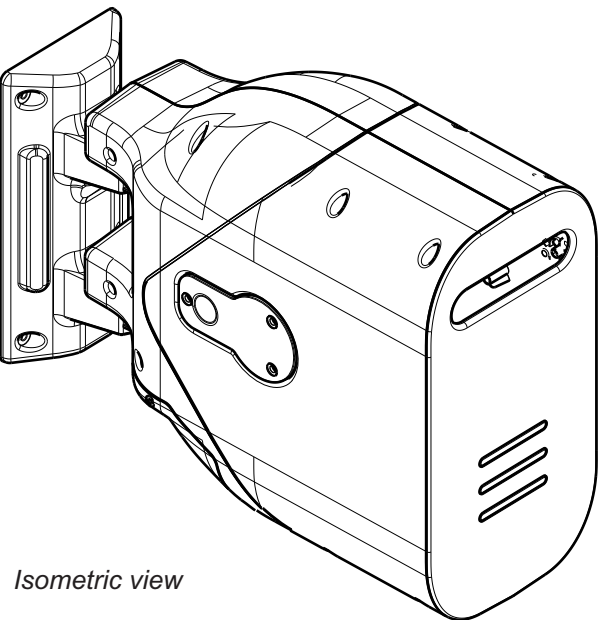
VOITAS X11 nameplate

The nameplate is located at the back of the device between the fixing points. If you want to read the entire nameplate, move the VOITAS X11 approximately 90 degrees to the wall.

S/N placed on the nameplate indicates the serial number of the VOITAS X11.



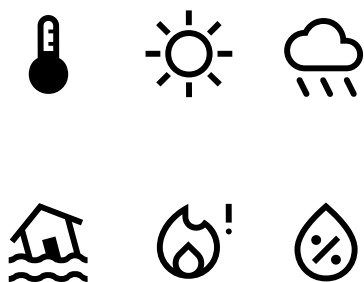
Drawings & Dimensions



Service plate

NOTE: All dimensions are in millimeters.

Installation



To ensure the safe use of the VOITAS X11, the user has to install the device according to the instructions in this manual.

WARNING!

It is necessary to protect the VOITAS X11 against all weather conditions. Our warranty will not cover the damage caused by adverse weather conditions. Direct sunlight may overheat the VOITAS X11, causing a reduction in charging power. This can turn off the charging cycle.

WARNING!

The device must be located where it is protected against the danger of explosion or flooding. Installation in rooms with high humidity is not recommended.

WARNING!



Caution



Risk of electric shock



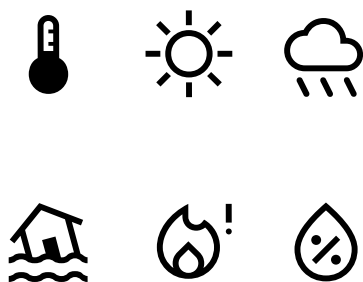
Sharp elements



Ground earth connection required

X11 Variants

Installation



To ensure the safe use of the VOITAS X11, the user has to install the device according to the instructions in this manual.

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Caution



Risk of electric shock

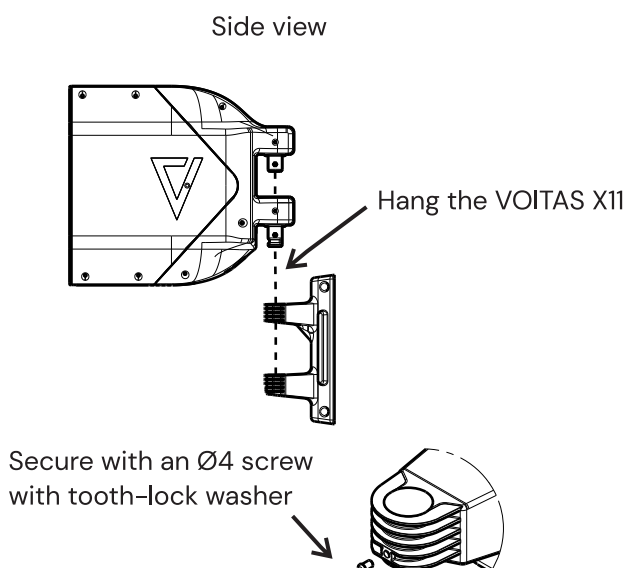
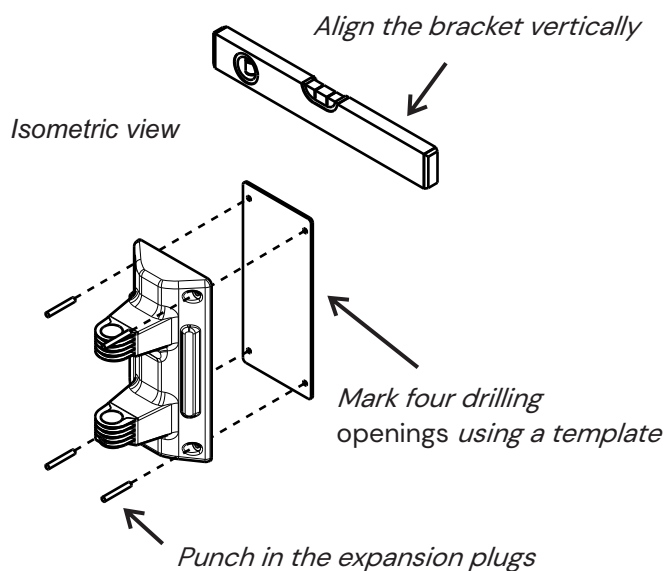


Sharp elements



Ground earth connection required

Installation Guide



MOUNTING THE BRACKET

NOTE:

All the screw wall plugs and screws needed to mount the bracket are included with the X11.

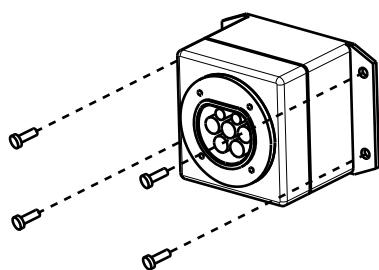
WARNING!

The surface for mounting the bracket must be flat, solid and resistant to mechanical pressure. Make sure you use the right wall plugs for your surface material type.

When choosing a location for your device, consider factors such as – the potential location of the vehicle and its charging plug, and the length of the VOITAS X11 cable.

1. Place the template on the flat surface for installation and align it vertically using a level.
2. Mark the four mounting openings on the wall surface using a template.
3. Drill the openings in the wall to a depth of at least 80 mm.
4. Hammer in the screw wall plugs.
5. Place the bracket on the wall and drive the 5x80 screws into the screw wall plugs.
6. Make sure the screws are tightened firmly.
7. Hang the X11 on the bracket.
8. Secure the X11 against slipping out of the bracket using an Ø4 screw with tooth-lock washer.

Installation Guide



MOUNTING THE SOCKET BOX

NOTE:

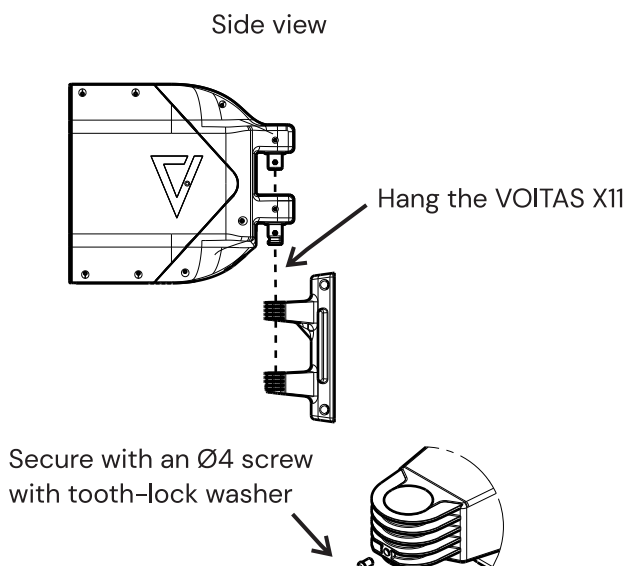
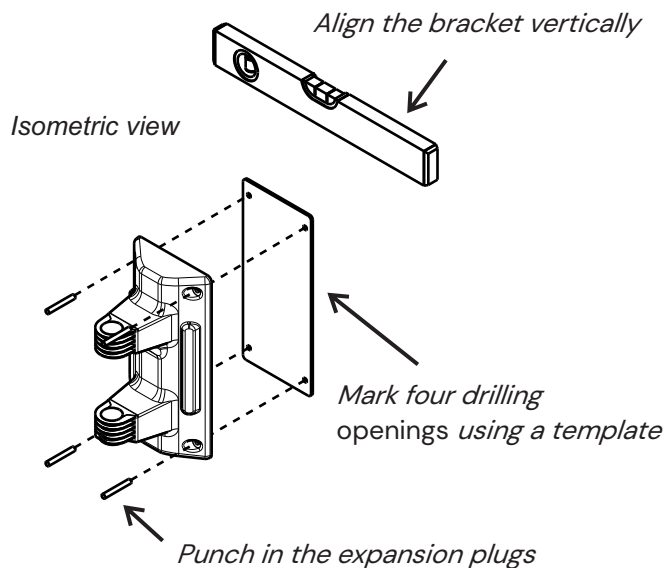
All the screws and screw wall plugs needed to mount the socket box are included with the X11.

WARNING!

The surface for mounting the socket box must be flat, solid and resistant to mechanical pressure.

1. Place the socket box on the flat surface for installation and align it vertically using a level.
2. Mark the four mounting openings.
3. Drill the openings in the wall to a depth of at least 80 mm.
4. Hammer in the screw wall plugs.
5. Place the socket box on the wall and drive the 5x80 screws into the screw wall plugs.
6. Make sure the screws are tightened firmly.
7. Insert the connector of your existing charger into the socket and start charging.

Installation Guide



MOUNTING THE BRACKET

NOTE:

All the screw wall plugs and screws needed to mount the bracket are included with the X11.

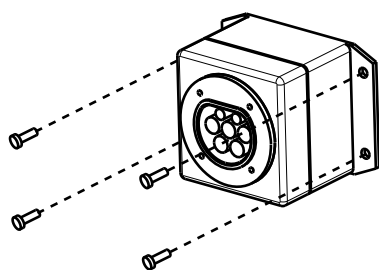
WARNING!

The surface for mounting the bracket must be flat, solid and resistant to mechanical pressure. Make sure you use the right wall plugs for your surface material type.

When choosing a location for your device, consider factors such as – the potential location of the vehicle and its charging plug, and the length of the VOITAS X11 cable.

1. Place the template on the flat surface for installation and align it vertically using a level.
2. Mark the four mounting openings on the wall surface using a template.
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4. Hammer in the screw wall plugs.
5. Place the bracket on the wall and drive the 5x80 screws into the screw wall plugs.
6. Make sure the screws are tightened firmly.
7. Hang the X11 on the bracket.
8. Secure the X11 against slipping out of the bracket using an Ø4 screw with tooth-lock washer.

Installation Guide



MOUNTING THE SOCKET BOX

NOTE:

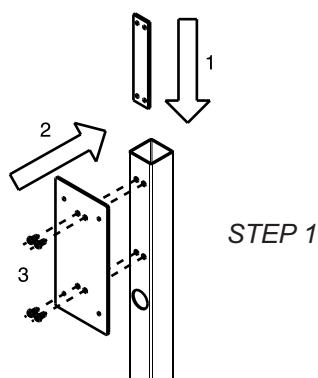
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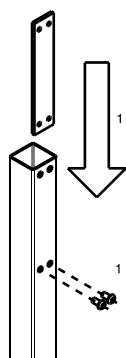
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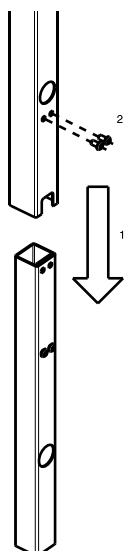
Installation Guide



STEP 1



STEP 2



STEP 3

MOUNTING THE POST

NOTE:

All the screws, anchors and washers needed to mount the post (for concrete or drill respectively) are included in the VOITAS Base kit.

STEP 1:

1. Place the threaded flat bar inside the post and position it in place of the holes drilled in the post.
2. Position the mounting plate in place of the holes drilled in the post.
3. Screw the mounting plate, the post and the flat bar together using M8 screws.

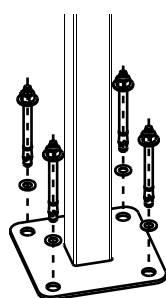
STEP 2:

1. Insert the threaded flat bar into the inside of the post with the smaller cross section and attach it with two M8 screws.

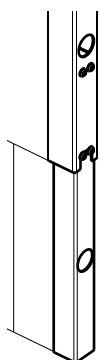
STEP 3:

1. Slide the post with the larger cross-section over the post with the smaller cross-section.
2. Screw the two posts together using two M8 screws.

Installation Guide

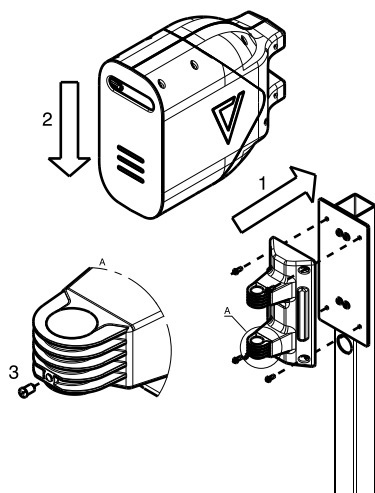


The post base
– a drill version



The post base
– a concrete version

390 mm



MOUNTING THE BASE OF THE POST TO THE GROUND

WITH DRILL VERSION:

Attach the base of the post to the ground using four Ø12x 140 steel anchors.

NOTE:

To seal the holes in the base of the post, use the four M12 washers for the anchors included in the kit. The use of washers is required to ensure the stability of the anchor installation.

WITH CONCRETE VERSION:

Concrete the lower part of the post in the ground up to the minimum height of 390 mm. The part of the post above the ground should be about 1,3 metres high.

MOUNTING THE BRACKET TO THE POST

1. Attach the Wallbox bracket to the post using M5x20 pan head bolts, M5 washer and dome nut. Make sure the screws are tightened firmly.

2. Place the X11 in the bracket.

3. Secure the X11 against slipping out of the bracket using an M4 screw

First Use & Charging Process



The VOITAS X11 is compatible with all other wallboxes and charging stations on the market.

WARNING!

The VOITAS X11 connected to a Tesla car together with a Tesla branded charger does not work.

The charging process is as follows:

1. Plug your existing wallbox into the socket.
2. Pull the VOITAS X11 roll-up cable, plug it into your car and enjoy charging.
3. If you want to stop charging, disconnect the cable from the vehicle, pull it to unlock the mechanism and safely rewind the cable into the VOITAS X11.

NOTE:

The cable reel integrated into the VOITAS X11 has a locking mechanism – it locks itself with each rotation and locks the cable. The VOITAS X11 is equipped with a mechanism preventing the automatic cable winding, locking the wire in the desired position. To unlock the mechanism slightly pull the cable for it to automatically rewind.

WARNING!

The VOITAS X11 8 M requires at least 5 meters of a cable to be unrolled, and the VOITAS X11 5 M requires at least 3,5 meters of a cable to be unrolled. The cable has a spot marked with a yellow label, which you will see when unwinding the cable. If this label is not visible, do not connect the cable.

Do not let go of the cable until it is rolled up again.

Datasheet

POWER / CHARGING

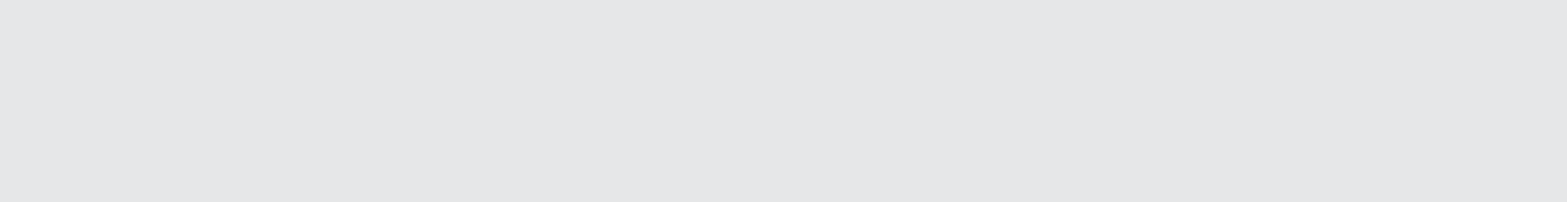
Nominal load current / voltage / v. frequency	16A/400V/50Hz
Charging current range	It depends on the charger installed (max. 11 kW)
Charging power	It depends on the charger installed (max. 11 kW)
Charging mode	IEC 61851-1, mode 3
Connection to the vehicle	Type 2 plug

MECHANICAL DATA

Dimensions	395x350x182 [mm]
Weight	6,4 kg for the 8 M version 6 kg for the 5 M version
Working ambient temperature range	From -25 °C to 40 °C
Mounting	Dedicated mounting bracket, mounted on an indoor wall or under a roof
Cable	5 M and 8 M versions, integrated cable reel

ADDITIONAL INFO

Compliance with norms, directives and certificates	Low Voltage Directive (LVD) 2014/35/EU, the Electrical Equipment (Safety) Regulations 2016, PN-EN IEC 61316:2022-04, PN-EN 62196-2:2017-06
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USER MANUAL (ENG)